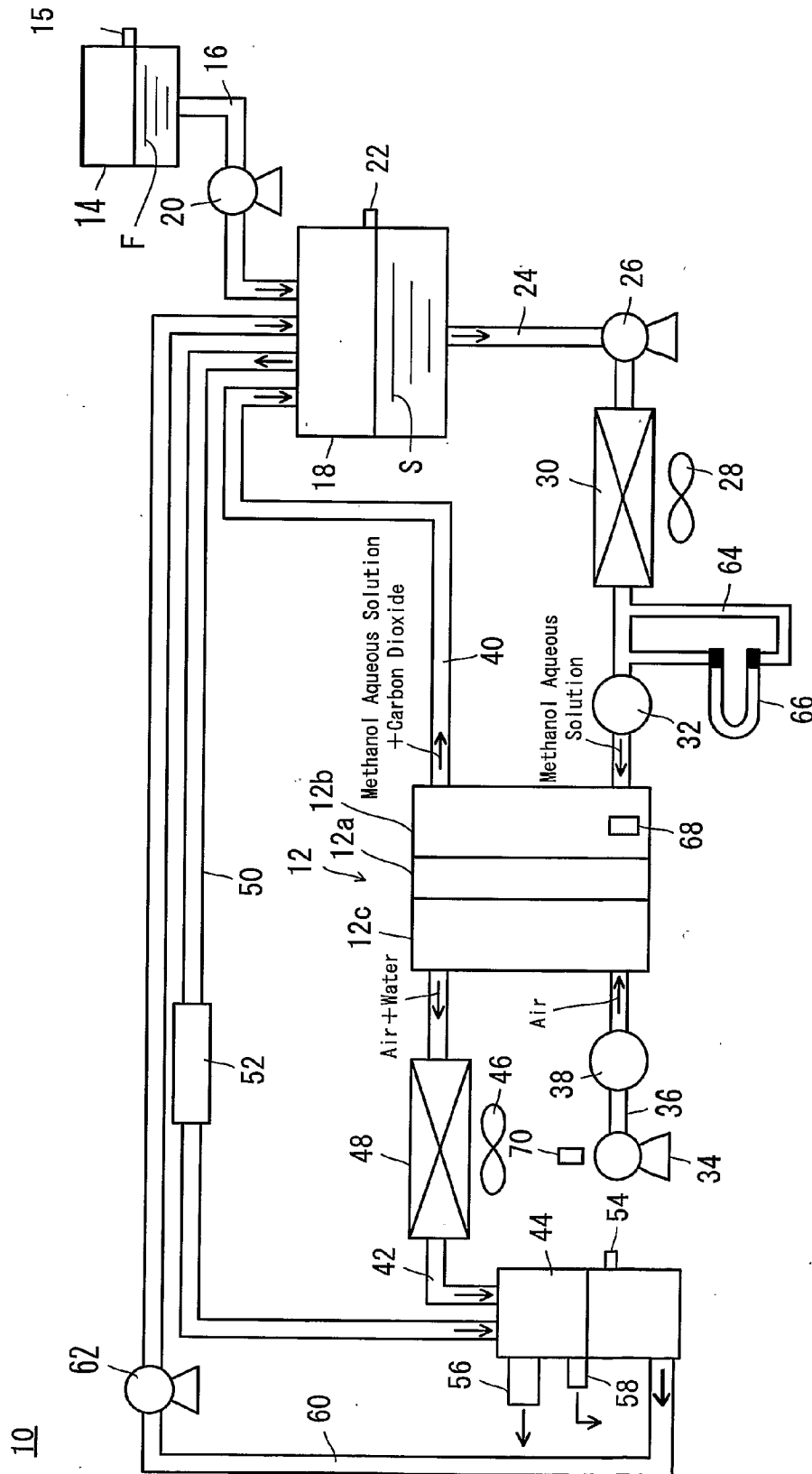
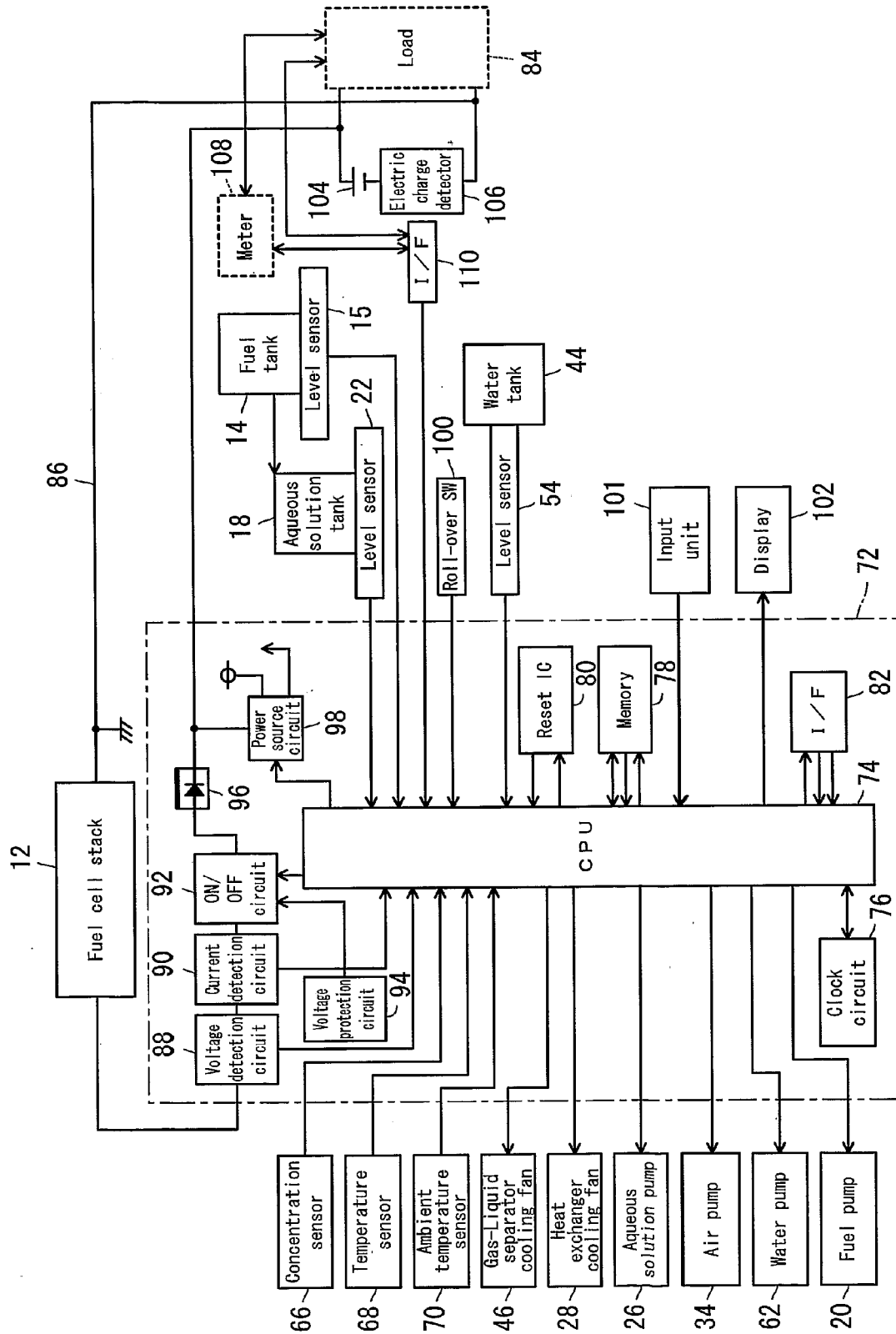


FIG. 1



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FIG. 2



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F I G. 3

Cell stack temperature	5°C>	5°C≤ 15°C>	15°C≤ 25°C>	25°C≤
Target concentration	10wt%	8wt%	6wt%	5wt%

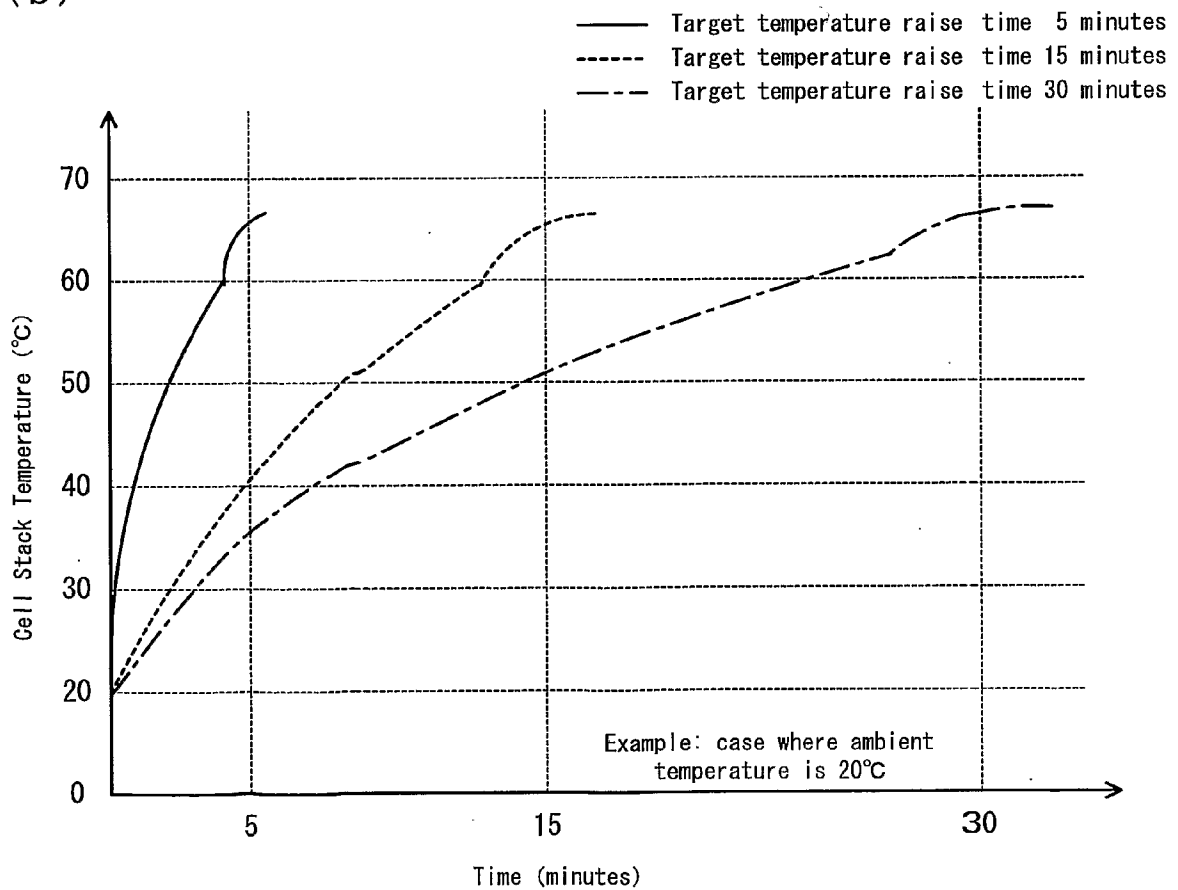
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FIG. 4

(a)

Cell stack temperature Target temperature raise time	$5^{\circ}\text{C} >$	$5^{\circ}\text{C} \leq$ $15^{\circ}\text{C} >$	$15^{\circ}\text{C} \leq$ $25^{\circ}\text{C} >$	$25^{\circ}\text{C} \leq$
5 minutes	16wt%	14wt%	10wt%	6wt%
15 minutes	10wt%	8wt%	6wt%	4wt%
30 minutes	8wt%	6wt%	5wt%	4wt%

(b)



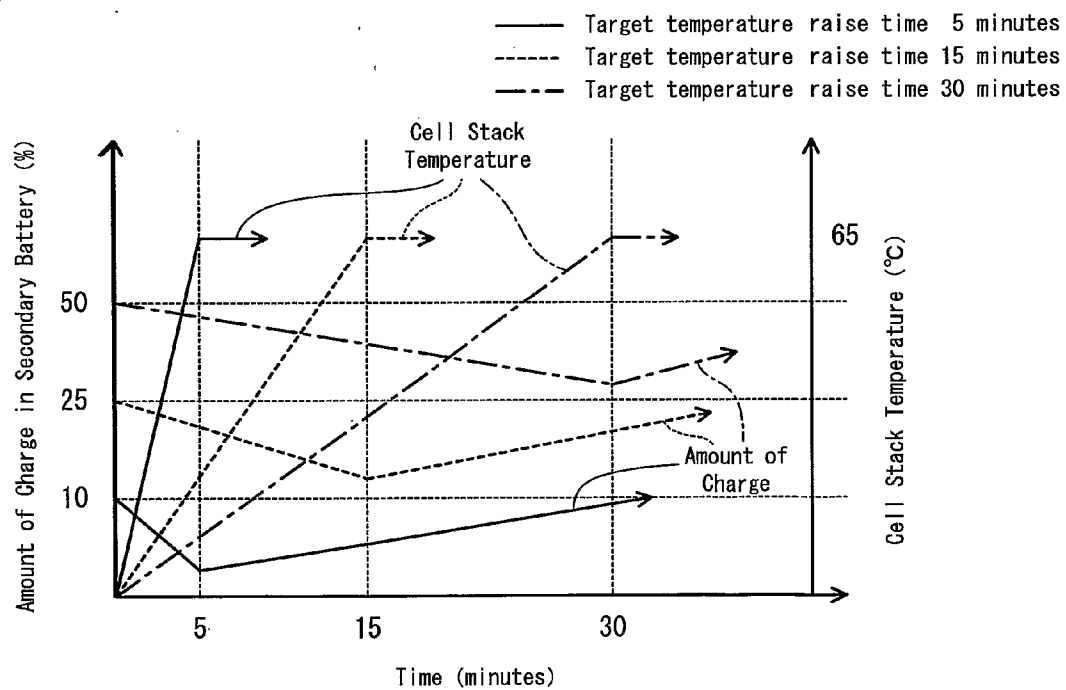
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FIG. 5

(a)

Amount of Charge in Secondary Battery	10% \leq 25% $>$	25% \leq 50% $>$	50% \leq
Target temperature raise time	5 minutes	15 minutes	30 minutes

(b)



(c)

Amount of Charge in Secondary Battery \ Cell stack temperature	5°C $>$	5°C \leq 15°C $>$	15°C \leq 25°C $>$	25°C \leq
10% \leq 25% $>$	16wt%	14wt%	10wt%	6wt%
25% \leq 50% $>$	10wt%	8wt%	6wt%	4wt%
50% \leq	8wt%	6wt%	5wt%	4wt%

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F I G. 6

(a)

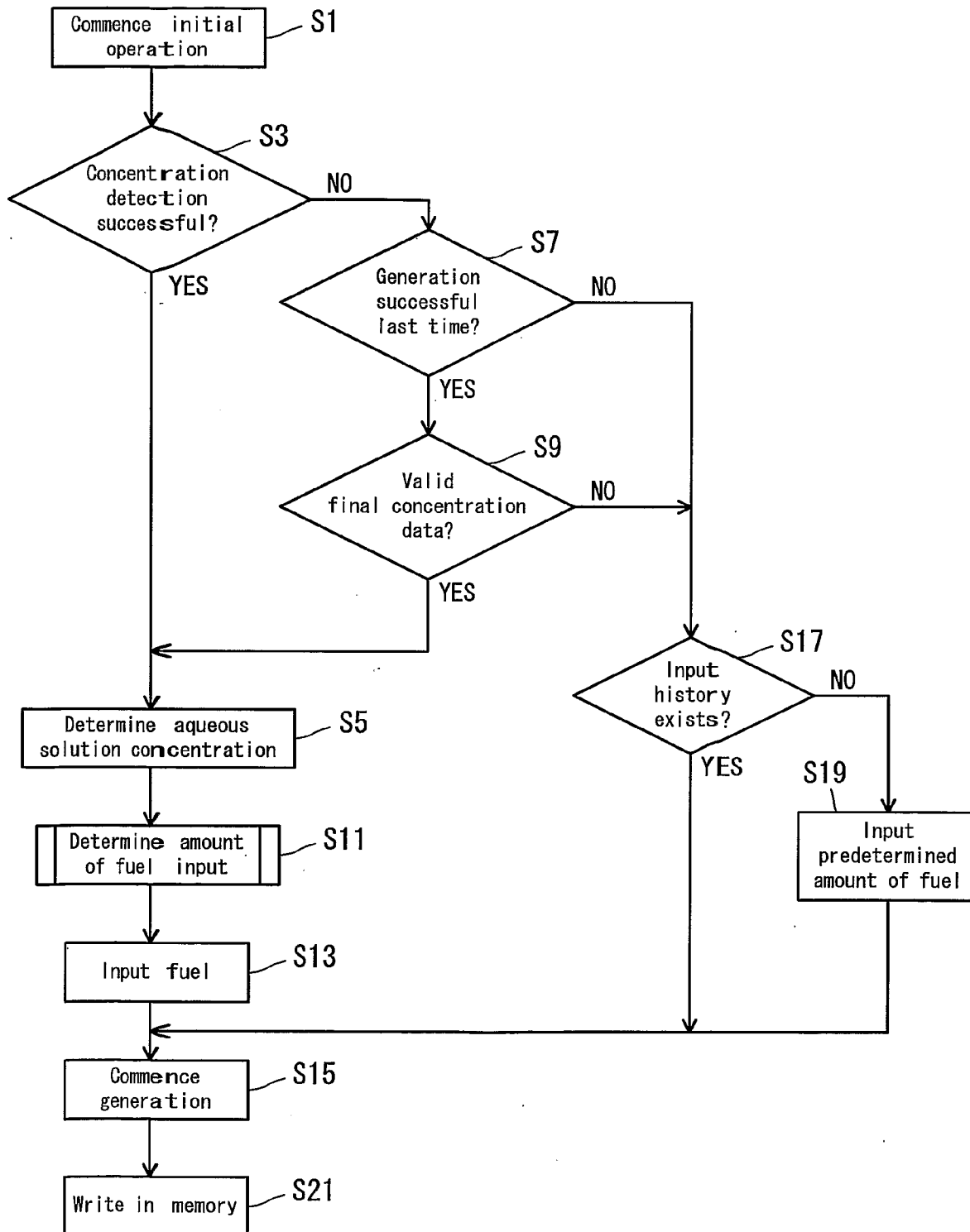
Temperature Difference between Cell stack and Ambient Temperature	$0^{\circ}\text{C} \leq$ $10^{\circ}\text{C} >$	$10^{\circ}\text{C} \leq$ $20^{\circ}\text{C} >$	$20^{\circ}\text{C} \leq$ $30^{\circ}\text{C} >$	$30^{\circ}\text{C} \leq$
Amount of Correction	10cc	15cc	20cc	25cc

(b)

Amount of Charge in Secondary Battery	$0\% \leq$ $10\% >$	$10\% \leq$ $25\% >$	$25\% \leq$ $50\% >$	$50\% \leq$
Target Concentration	Do not start system	16wt%	10wt%	8wt%

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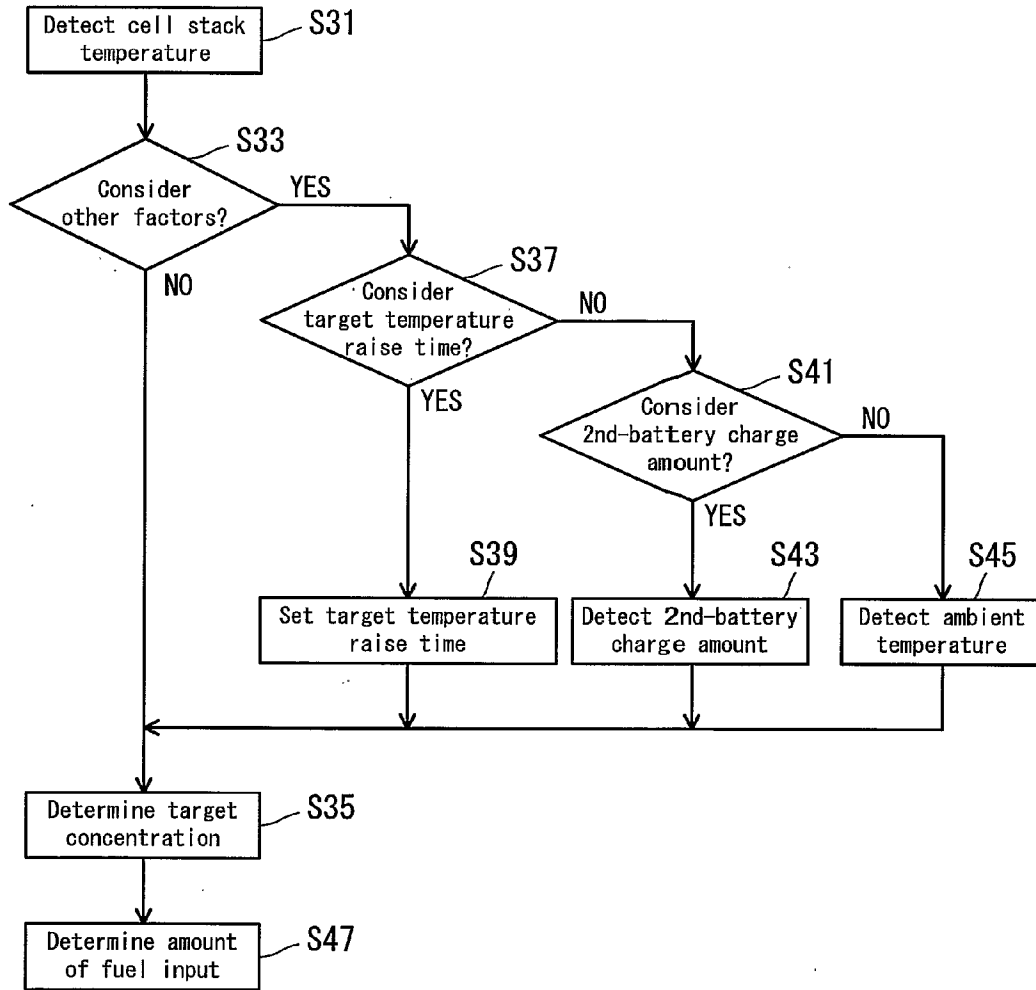
FIG. 7



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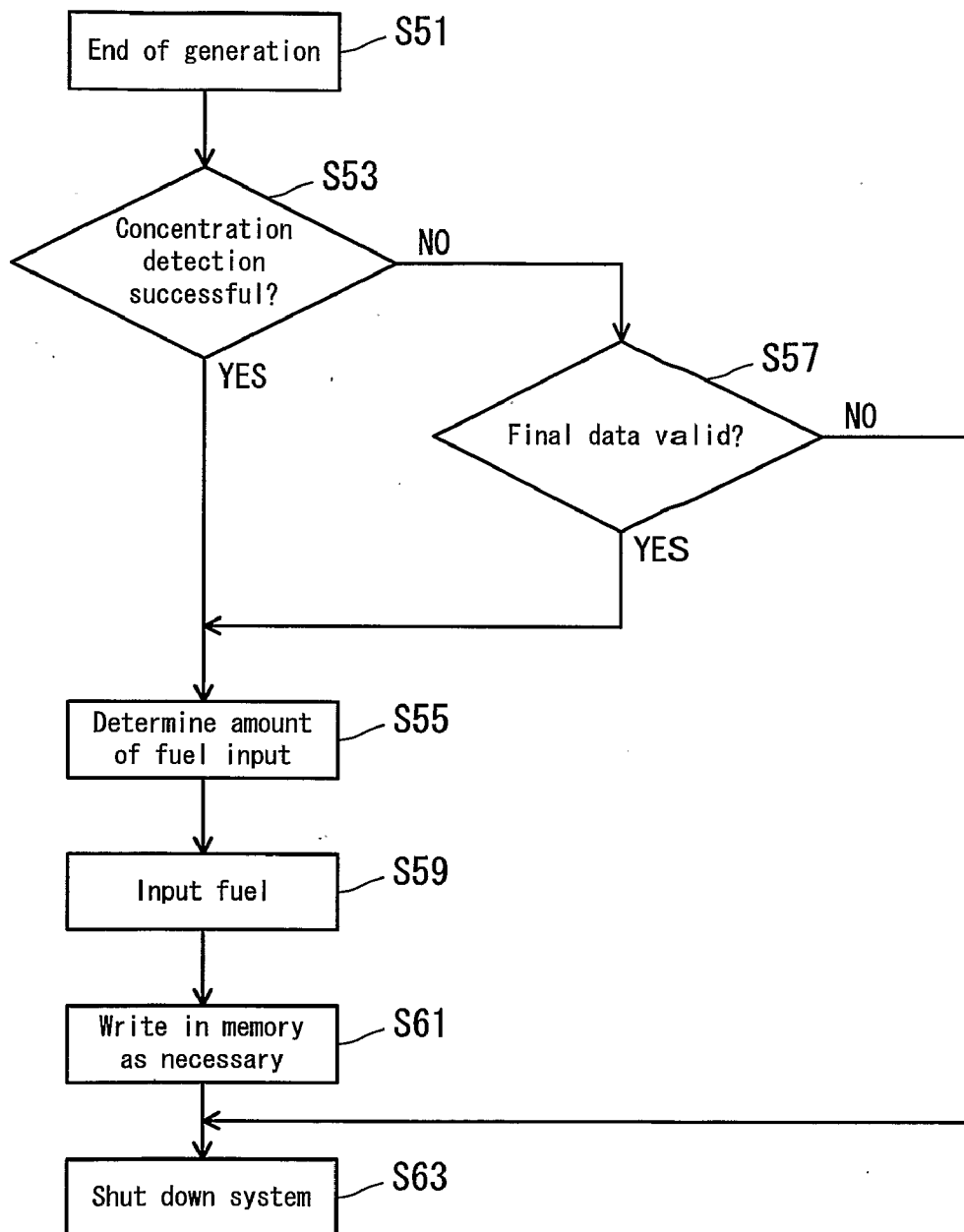
FIG. 8

Input Amount Determination Subroutine



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FIG. 9



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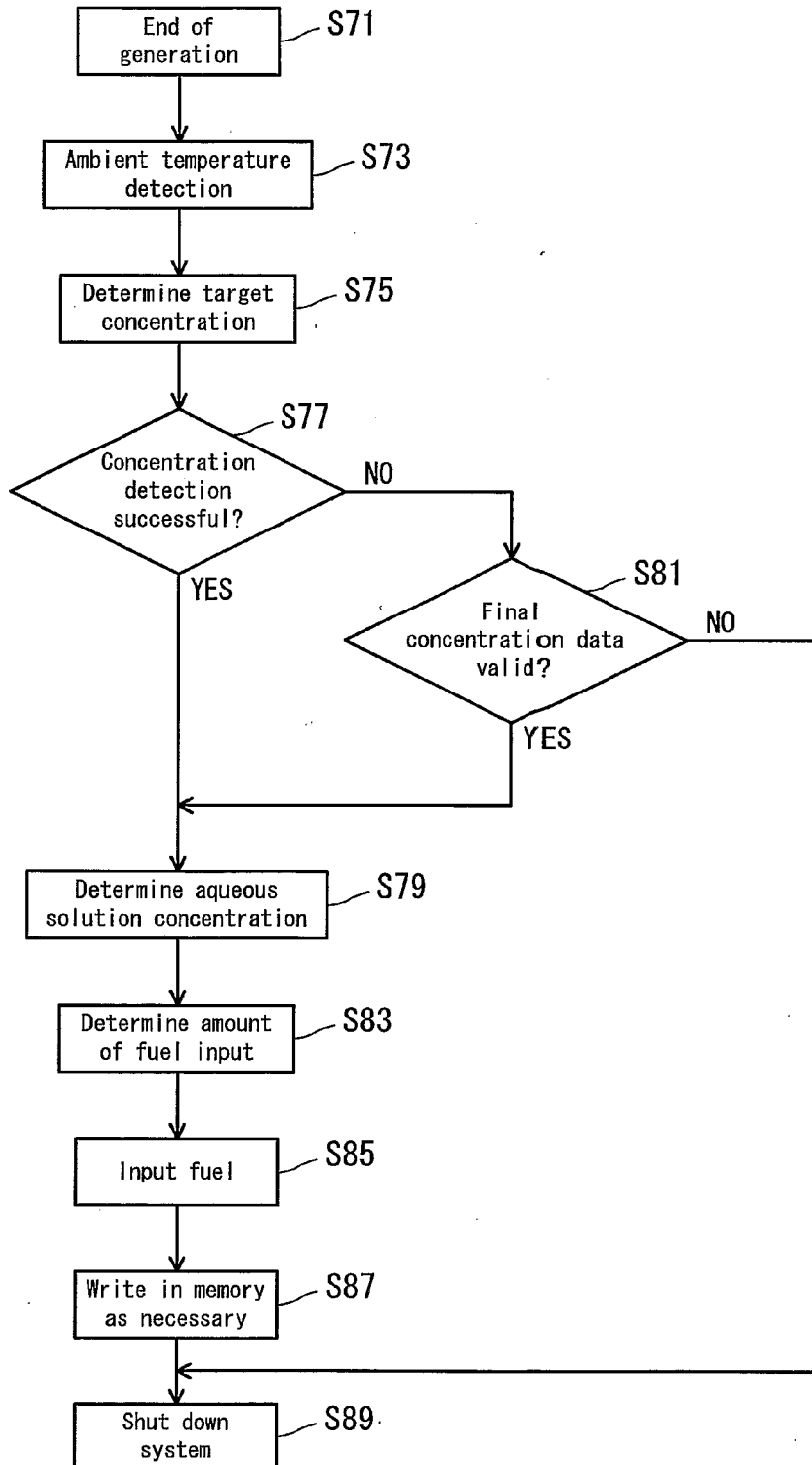
F I G. 1 0

Target Concentration: 6wt%

Concentration of Methanol Aqueous Solution at the end of generation	0wt% \leq 2wt% $>$	2wt% \leq 4wt% $>$	4wt% \leq 6wt% $>$	6wt% \leq
Amount of Methanol Fuel Input	200cc	160cc	120cc	100cc

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FIG. 11









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F I G. 1 2

Ambient Temperature	$0^{\circ}\text{C} \leq$ $10^{\circ}\text{C} >$	$10^{\circ}\text{C} \leq$ $20^{\circ}\text{C} >$	$20^{\circ}\text{C} \leq$ $30^{\circ}\text{C} >$	$30^{\circ}\text{C} \leq$ $40^{\circ}\text{C} >$	$40^{\circ}\text{C} \leq$
Target Concentration	8wt%	7wt%	6wt%	5wt%	4wt%

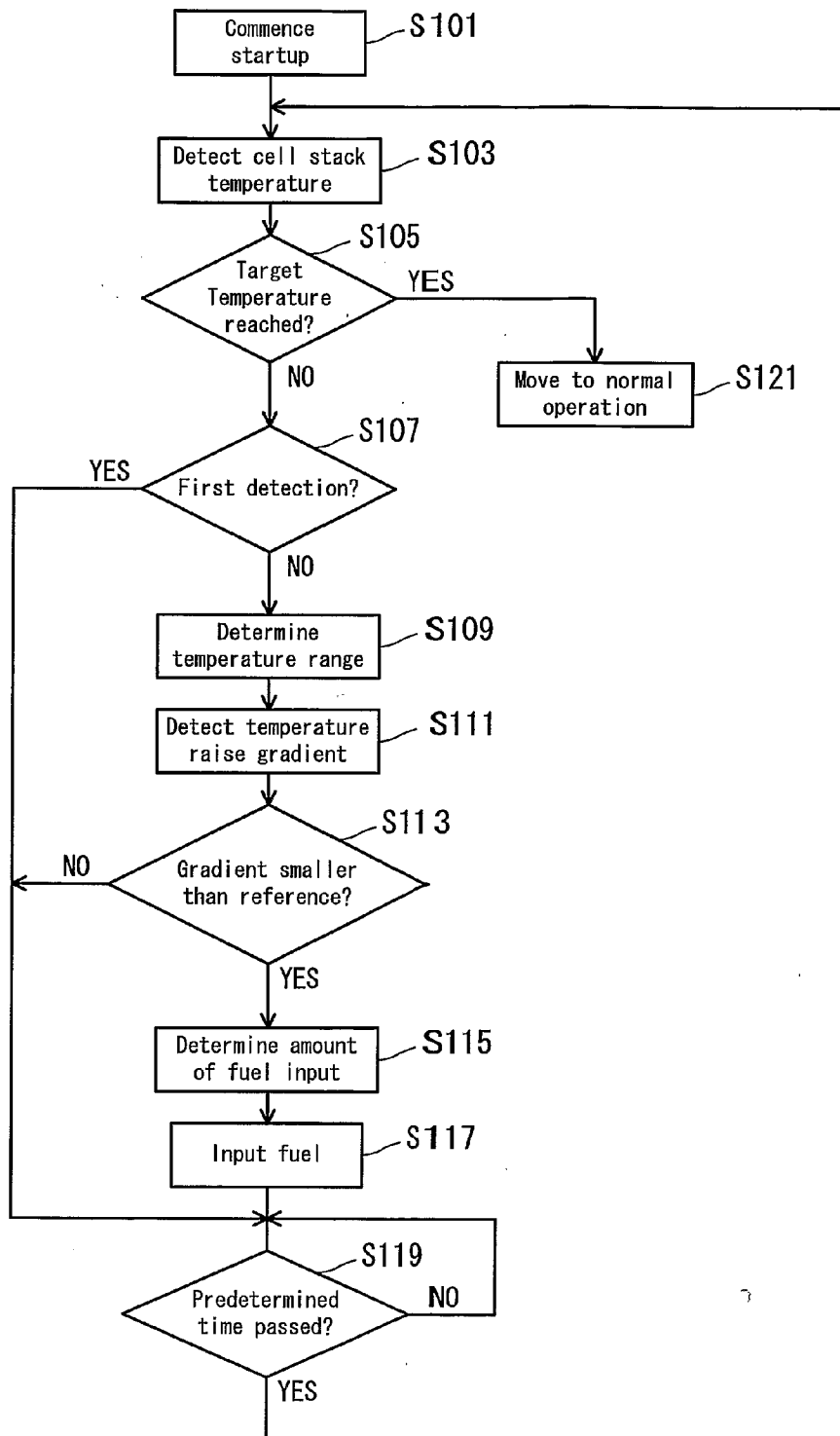
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FIG. 13

Temperature Range (°C)	Temperature Raise Reference Gradient (°C/min)	Amount of Fuel Input (cc)
60 - 65	0.5 	3
50 - 60	1.0 	4
40 - 50	1.5 	6
30 - 40	2.0 	8
20 - 30	2.5 	10
0 - 20	3.0 	12

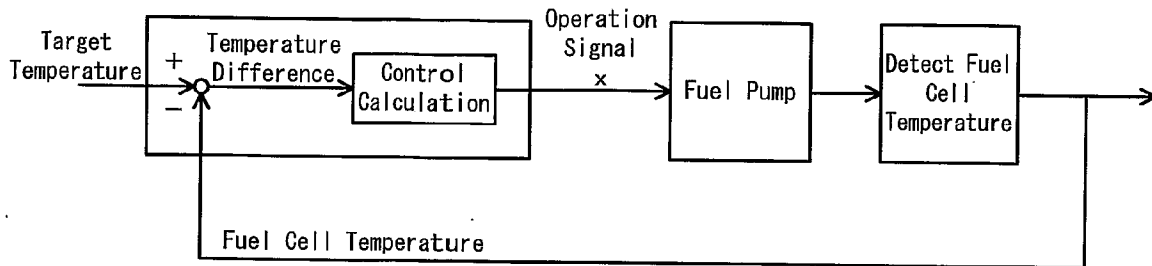
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F I G. 1 4



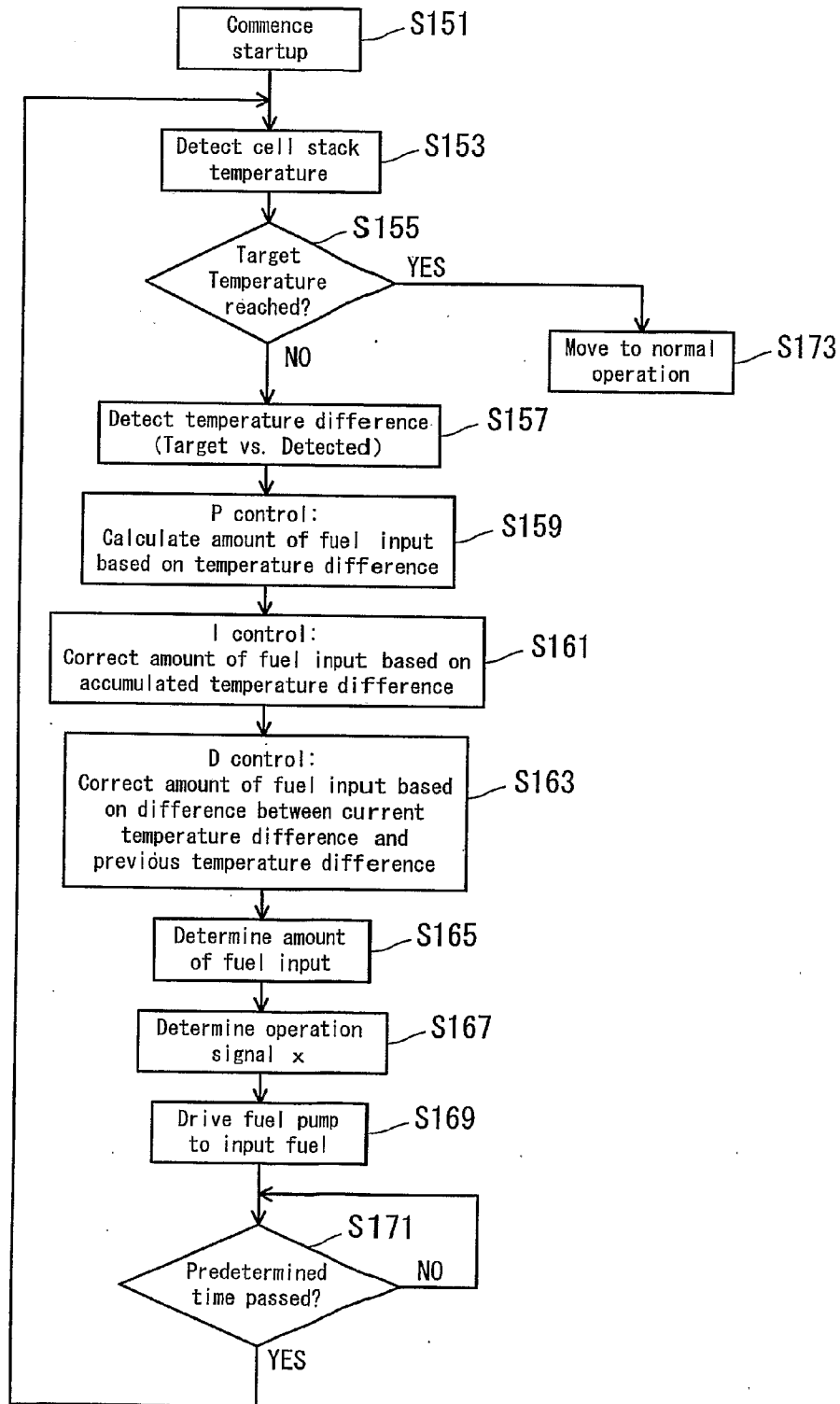
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FIG. 15



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FIG. 16



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FIG. 17

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